19980409.qrp v01_n055.qrs.980409

Date: Thu, 9 Apr 1998 19:03:25 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1055

QRP-L Digest 1055

Topics covered in this issue include:

  1) [7822] Solar Flux hits 141!
     by Paul Harden <pharden@aoc.nrao.edu>
  2) [7823] H40AA
     by "Ron Polityka" <wb3aal@talon.net>
  3) [7824] Power Measurements
     by "Richard Kerr" <ka8egs@worldnet.att.net>
  4) [7825] 40673
     by "Harry Hurst" <hhurst@delaware.infi.net>
  5) [7826] 38S & BCI revisited
     by Ed <edn4pk@VoyagerOnline.net>
  6) [7827] WOW -- Got HI -- that makes 50!!;   and SST QRPTTF setup
     by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
  7) [7828] Missed Qrp Dx Train ....
     by Walt Amos <waltk8cv@ameritech.net>
  8) [7829] Help-hookup key to super morse 4.16
     by dehager@ix.netcom.com
  9) [7830] Got him!
     by Roger Hightower <n7kt@earthlink.net>
 10) [7831] Re: 40673
     by Chris Trask <ctrask@primenet.com>
 11) [7832] Re: Status report
     by George Gingell <k3tks@u1.abs.net>
 12) [7833] Heathkit SB-220 value?
     by "Dennis Payton" <dpayton@fwi.com>
 13) [7834] Elmer 101 SW-30+ Student List
     by "Robert H. Sorge" <rsorge@phoenix.net>
 14) [7835] Morse Keyboard
     by Jeff Johnson <jeff@dcsoftware.com>
 15) [7836] DX is!
     by Roger Hightower <n7kt@earthlink.net>
 16) [7837] Spring QSO Party this weekend
     by Cam Hartford <camqrp@cyberg8t.com>
 17) [7838] LED Keyer mods
     by Steven Weber <kd1jv@moose.ncia.net>
 18) [7839] Re: Missed Qrp Dx Train
     by Joe Gervais <vole@primenet.com>
 19) [7840] Re: mail with download attached????

by "George T. Baker" <w5yr@swbell.net>
20) [7841] HELP: OHR WM-1
by "Arthur Moe" <KB7WW@SignalONE.com>
21) [7842] RS-12A schematic found
by ka7you@juno.com
22) [7843] Re: mail with download attached????
by "Dan Hogan" <dhhogan@concentric.net>
23) [7844] Re: Got him!
by gsurrency@juno.com (Gary L Surrency)
24) [7845] Re: KEYER INFO
by gsurrency@juno.com (Gary L Surrency)
25) [7846] Re: morse-kybd, PIN mod
by gsurrency@juno.com (Gary L Surrency)
26) [7847] Re: 40673
by Leon Heller <leon@lfheller.demon.co.uk>
27) [7848] AD9850 test program
by Leon Heller <leon@lfheller.demon.co.uk>
28) [7849] looking for 6 meter CW (maybe SSB) HB radio
by "Peter C. Wotherspoon" <Peter.C.Wotherspoon@hydro.on.ca>
29) [7850] Re: Missed Qrp Dx Train
by "Steve Sorrell" <ap036@detroit.freenet.org>
30) [7851] 40673 thanks all
by Dick G0BPS <G0BPS@kanga.demon.co.uk>
31) [7852] SBL-1 Mixer info needed...help!
by Greg Weinfurtner <gweinfurt1@ohiou.edu>
32) [7853] Elmer 101/ errata
by Bensondj <Bensondj@aol.com>
33) [7854] RS Speaker Mic
by Brad Mugleston <bmug@gwl.com>
34) [7855] Re: RS Speaker Mic
by LYN <designserv@ipass.net>
35) [7856] Re: RS Speaker Mic
by "Vincent Ferme" <vferme@sprint.ca>
36) [7857] Re: RS Speaker Mic
by "Ken Hanks" <kennfd@ibm.net>
37) [7858] RE: SBL-1 Mixer info needed...help!
by Tracy@bytemark.com (Tracy)
38) [7859] Re: RS Speaker Mic
by "Vincent Ferme" <vferme@sprint.ca>
39) [7860] Re: Solar Flux hits 141!
by Joseph Trombino jr <joebarb@wilmington.net>
40) [7861] Re:RS speaker mic
by RangerSF5 <RangerSF5@aol.com>
41) [7862] FS/misc.qrp, related
by n1wcc@juno.com (Arol b hill)
42) [7863] DK3 MOUNT on Sail boat
by "." <hapence@erols.com>
43) [7864] Re: morse-kybd, PIN mod

by "Michael A. Gipe" <mgipe@reliablemeters.com>
44) [7865] Re: Missed Qrp Dx Train
by Ed Loranger <we6w@qsl.net>
45) [7866] Re: Solar Flux hits 141!
by Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>
46) [7867] Re: mail with download attached????
by KC5TJA <kc5tja@topaz.axisinternet.com>
47) [7868] Re: mail with download attached????
by KC5TJA <kc5tja@topaz.axisinternet.com>
48) [7869] FS: Vertical Antennae
by K5BDZ <K5BDZ@aol.com>
49) [7870] Re: Solar Flux hits 141!
by "John J. McDonough" <jjmcd@mdn.net>
50) [7871] Keyboard keyer design/ AT keyboard codes
by Steven Weber <kd1jv@moose.ncia.net>
51) [7872] Re: Keyboard keyer design/ AT keyboard codes
by KC5TJA <kc5tja@topaz.axisinternet.com>
52) [7873] Antenna Help
by Brad Mugleston <bmug@gwl.com>
53) [7874] Super VXO
by "Arjen Raateland, FEI/Impacts Research" <Arjen.Raateland@vyh.fi>
54) [7875] Re: Unrequested atteached files
by "Frank A. West" <ke6vhm@earthlink.net>
55) [7876] Battery float chargers
by "Michael A. Gipe" <mgipe@reliablemeters.com>
56) [7877] Re: Super VXO
by KC5TJA <kc5tja@topaz.axisinternet.com>
57) [7878] Some say 'Bands Dead'
by joel malman <malman@world.std.com>
58) [7879] Re: Some say 'Bands Dead'
by cooper@gmpvt.com (Tom Cooper)
59) [7880] Re: Antenna Help
by KC5TJA <kc5tja@topaz.axisinternet.com>
60) [7881] Re: Some say 'Bands Dead'
by KC5TJA <kc5tja@topaz.axisinternet.com>
61) [7882] Re: Battery float chargers
by Ed Loranger <we6w@qsl.net>
62) [7883] Re: 40673
by "laura halliday" <marsgal42@hotmail.com>
63) [7884] QRP Contest
by "Ron Polityka" <wb3aal@talon.net>
64) [7885] Results of the APRIL SPARTAN SPRINT
by Russ Carpenter <russ@natworld.com>
65) [7886] Soapbox for the April Spartan Sprint (Long)
by Russ Carpenter <russ@natworld.com>
66) [7887] NorCal Website...
by "Gerald Mike Claussen (gmc)" <gmc@sequent.com>
67) [7888] Re: Battery float chargers

    by KC5TJA <kc5tja@topaz.axisinternet.com>
 68) [7889] Alinco S11T at Tech America
    by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
 69) [7890] Re: QRP Contest
    by Hank Kohl K8DD <k8dd@contesting.com>
 70) [7891] ORPp
    by marion@montana.com
 71) [7892] Re: ORPp
    by KC5TJA <kc5tja@topaz.axisinternet.com>
 72) [7893] QRP-test S/W
    by "Bob Edwards, W4ED" <w4ed@flash.net>
 73) [7894] QRP is fun
    by "Kim Andersen" <ox3fv@greennet.gl>
 74) [7895] Re: ORPp
    by "Gerald Mike Claussen (gmc)" <gmc@sequent.com>
 75) [7896] Re: Alinco S11T at Tech America
    by Michael Maiorana <mikemo@ibm.net>

Date: Wed, 8 Apr 1998 17:16:42 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-l@Lehigh.EDU
Cc: arnie@radiohc.org
Subject: [7822] Solar Flux hits 141!
Message-ID: <Pine.SOL.3.91.980408165727.21974A-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,
Solar flux hit 141 today, the highest I've seen in many years, with
the 3 day forecast approaching 150. Now this is getting to be some
serious flux numbers indicating good E and F layer ionization for
good skip propagation.

Geomagnetic field is fairly quiet.

In other words, until a solar disturbance occurs, this is the best
HF conditions we've had in a long, long time. For those of you asking
what the bands are like during an active sun ... well, time to find
out for yourself!

72, Paul NA5N

Portions of todays solar report with added comments:

>JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

>SDF NUMBER 098 ISSUED AT 2200Z ON 08 APR 1998

>IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW
>TO MODERATE. THE MOST LIKELY AREAS OF M-CLASS ACTIVITY REMAIN THE
>8194/8195/8198 COMPLEX AND THE AREA COMPRISED OF REGIONS 8193
>(S23W12) AND 8199 (S27W16).

Basically, these areas are the ones that produced several large flares and coronal mass ejections (CME's) a couple of weeks ago, and the geomagnetic storms we got. They rotated around the sun and now rotating back into view. While fairly quiet at the moment, it seems to be associated with the 28-day cycle of elevated solar flux. As soon as these areas rotated back into view, the solar flux began to climb up again.

>IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
>EXPECTED TO BE QUIET TO UNSETTLED.

Since there has been no solar disturbances for many days, there is nothing to perturb our geomagnetic field. However, yesterday there was a SID event (Sudden Ionospheric Disturbance) which may cause some short term disturbance if associated with particle radiation from the sun sometime tomorrow. Space borne instruments do not show any lingering effect of this SID, however.

>III. EVENT PROBABILITIES 09 APR-11 APR
>CLASS M   40/40/40 ---> 40% chance of an M-class flare next 3 days

>IV. PENTICTON 10.7 CM FLUX
>OBSERVED   08 APR 141 -----------> This is the highest solar flux
                                            in several years
>PREDICTED   09 APR-11 APR 144/146/146 ---> with the forecast to get better!
>90 DAY MEAN   08 APR 101 ------------> And well above the average

>V. GEOMAGNETIC A INDICES
>OBSERVED AFR/AP 07 APR 008/008 ----------> Just a little active, but
                                            nothing serious

<END>

Date: Wed, 8 Apr 1998 19:27:06 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [7823] H40AA

Message-ID: <01bd6345$d836b880$5e5445c6@default>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Alright!!!!!

 Just worked H40AA on 21.024 running 1 watt out into

a beam on the roof!!!!!!!!

73, Good DXing & QRPing
Ron de WB3AAL

E-mail: wb3aal@talon.net
BBS: WB3AAL @ WB3FYL.#BER.PA.USA.NA

EPA QRP # 1   QRP # 5318   10-10 # 13173
QRP-L # 1099   G-QRP # 3031   AK QRP # 309
Adventure Radio Society #380

Date: Wed, 8 Apr 1998 19:30:09 -0400
From: "Richard Kerr" <ka8egs@worldnet.att.net>
To: <qrp-l@Lehigh.EDU>
Subject: [7824] Power Measurements
Message-ID: <01bd6346$457e2f40$34ca430c@default>
MIME-Version: 1.0
Content-Type: multipart/alternative;
     boundary="----=_NextPart_000_000A_01BD6324.BE6C8F40"

This is a multi-part message in MIME format.

------=_NextPart_000_000A_01BD6324.BE6C8F40
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

I recently purchased a Diamond SX-200 PWR/SWR meter. It has a low power =
range of 0 to 5 watts. Calibration seemed to be a little off as compared =
to my homebrew 1N34A and .01 capacitor circuit found in "The Joy of =
QRP ". Seems that the SX-200 reads peak power not average as indicated =
on the unit and instructions. I have e-mailed the folks at RF Parts Co. =
, but they can not seem to understand the difference between peak and =

average power.

So my question is this, is the 1N34A and .01 capacitor circuit a good =
one for QRP power levels ??
And can I use it to calibrate my SX-200 ??

Rick
KA8EGS

------=_NextPart_000_000A_01BD6324.BE6C8F40
Content-Type: text/html;
     charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">
<HTML>
<HEAD>

<META content=3Dtext/html;charset=3Diso-8859-1 =
http-equiv=3DContent-Type>
<META content=3D'"MSHTML 4.71.2110.0"' name=3DGENERATOR>
</HEAD>
<BODY bgColor=3D#ffffff>
<DIV><FONT color=3D#000000 size=3D2>I recently purchased a Diamond =
SX-200 PWR/SWR=20
meter. It has a low power range of 0 to 5 watts. Calibration seemed to =
be a=20
little off as compared to my homebrew 1N34A and .01 =
capacitor=20
circuit found in "The Joy of QRP ". Seems that the SX-200 =
reads peak=20
power not average as indicated on the unit and instructions. I have =
e-mailed the=20
folks at RF Parts Co. , but they can not seem to understand the =
difference=20
between peak and average power.</FONT></DIV>
<DIV><FONT color=3D#000000 size=3D2></FONT> </DIV>
<DIV><FONT size=3D2>So my question is this, is the 1N34A and .01 =
capacitor circuit=20
a good one for QRP power levels ??</FONT></DIV>
<DIV><FONT size=3D2>And can I use it to calibrate my SX-200 =
??</FONT> </DIV>
<DIV><FONT size=3D2></FONT> </DIV>
<DIV><FONT size=3D2>Rick</FONT></DIV>
<DIV><FONT size=3D2>KA8EGS</FONT> </DIV>

<DIV><FONT size=3D2></FONT> </DIV>
<DIV><FONT color=3D#000000 size=3D2></FONT> </DIV>
<DIV><FONT color=3D#000000 size=3D2></FONT> </DIV></BODY></HTML>

------=_NextPart_000_000A_01BD6324.BE6C8F40--

Date: Wed, 8 Apr 1998 20:41:33 -0400
From: "Harry Hurst" <hhurst@delaware.infi.net>
To: <qrp-l@Lehigh.EDU>
Subject: [7825] 40673
Message-ID: <199804090032.UAA05364@fh101.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

What happened to the dual-gate fets? Why was production of the 40673
stopped????
It wasn't that long ago you could buy 3N211's at Radio Shack.
(I still have a few in RS packaging in my junk box.)
Maybe the Russians can pick up on them like they did the tubes.
____
Amateur Radio - WA3PTG
--... ...--   -.. .   .-- .- ...-- .--. - --.
QRP-L #1464
Wilmington DE
____

Date: Wed, 08 Apr 1998 21:11:05 -0400
From: Ed <edn4pk@VoyagerOnline.net>
To: QRP <qrp-l@Lehigh.EDU>
Subject: [7826] 38S & BCI revisited
Message-ID: <352C2029.B7FBEF27@VoyagerOnline.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well guess I must be doing something wrong somewhere. I replaced C4
with a 10pf disc
ceramic.(actually 2 5pf in parallel). Now I hve much more audio gain

than before, but the BCI is still there and now I also have power supply hum and it seems as though the 602 is being overloaded on tx. Sidetone really really sounds bad and it takes several seconds for the rx to recover. HHHHeeeeelllpppp !!! I love my little rig and am only looking to fix a minor problem. Yes I do have the 5 watt mod and no I do not have the Tick keyer.
Ed N4PK

Date: Wed, 8 Apr 1998 21:18:55 -0400
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: <qrp-l@Lehigh.EDU>
Subject: [7827] WOW -- Got HI -- that makes 50!!; and SST QRPTTF setup
Message-ID: <199804090118.UAA13404@dfw-ix15.ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Well group, I got Hawaii last night with 5 watts on my Scout. That completes the WAS-QRP (when I get the card).

Haven't done anything with the Pixie recently -- been too busy working on my QRPTTF setup. Plan to use my 20m SST, Gel Cell, Tick Keyer, Whiterook paddle and a couple of phased verticals. Plan to space the verticals 1/8 wavelength apart and phase them at 135 degrees. Set it up in by backyard today and worked Spring, TX. He had a very good signal, I varied between 559 and 229. Hmmm?? -- maybe I'll add a few more radials (only got 4 per vert now).

I'll try the setup in the QRCI QSO party this weekend.

72/73,

Jake [N4UY]   Vienna, VA (Washington DC suburbs)

QRP-L #821, G-QRP #9557, AK/QRP #175, CQrp #46,
NJ-QRP #74, NorCal#1457, ARCI #9392, FISTS #3450

WAS QRP W/C 50/49 (need HI card)
WAC QRP W/C 5/3
WAS QRPp W/C 15/15 (200 milliwatts on a Pixie II / MRX-40 / Tick Keyer combo)
DXCC-Pixie W/C 002/002

"...the harder the conflict, the more glorious the triumph. That which we attain too cheap, we esteem too lightly." Thomas Paine, 12/23/1776

Date: Wed, 08 Apr 1998 22:56:29 +0000
From: Walt Amos <waltk8cv@ameritech.net>
To: Qrp-l List <qrp-l@Lehigh.EDU>
Subject: [7828] Missed Qrp Dx Train .....
Message-ID: <352BF28D.6F02DEF8@ameritech.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I feel so down and lonely..... all I worked last night was W8SFF on
40m and he is 10 miles as the crow flies from me! Woes me! .....
:-(

Walt k8cv

Date: Wed, 8 Apr 1998 20:24:49 -0500 (CDT)
From: dehager@ix.netcom.com
To: qrp-l@Lehigh.EDU
Subject: [7829] Help-hookup key to super morse 4.16
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I would like to hookup a key/paddle (MFJ-422 keyer paddle combo) to my
computer running Super Morse V4.16. I tried to interface it through the
serial port but it has a hard time receiving at any speed (a straght key
is not any better). Is there another program in DOS or WINDOWS that you
can practice sending code with an external keyer/paddle?

Any help would be great!

Thanks,

Dana E Hager
Nazareth, PA

PS - Thanks for all the coax info !!!

Date: Wed, 08 Apr 1998 18:30:24 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: qrp-l@Lehigh.EDU
Subject: [7830] Got him!
Message-ID: <352BC240.331BAFDA@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

H40AA on 15M (21.024, got him at 21.029) at 0127 4/9/98. First real DX
at 3 Watts. Cool! Been chasing him for four days now.
--
72/73, de Roger, N7KT - QRP-L #62 - Mesa, AZ

Date: Wed, 8 Apr 1998 18:47:27 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Harry Hurst <hhurst@delaware.infi.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7831] Re: 40673
Message-ID: <Pine.BSI.3.96.980408183707.16717A-100000@usr02.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 8 Apr 1998, Harry Hurst wrote:

> What happened to the dual-gate fets?

    Toshiba and Philips still make them, and the European and
Japanese designers are using them. NEC makes a pair of dual-gate GaAsFETs
with some beautiful I-V curves.

> Why was production of the 40673 stopped????

    When RCA sold it's solid-state capability, the MOSFET products
went to an outfit in California who really couldn't cut the mustard.
On top of that, you could not (and still cannot) get American designers
away from the NPN mentality, which is why you see very few PNPs in
American circuit design. Europeans use complementary pairs like Carter
uses little pills.

    Our analogue design practices are still locked up in vacuum
tube (ie - NPN and N-channel) approaches. Use a complementary pair

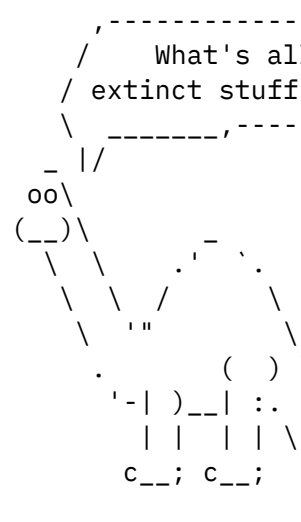
in a small-signal RF amplifier and watch your IP3 increase by at least 20dB. 8{O

> It wasn't that long ago you could buy 3N211's at Radio Shack.
> (I still have a few in RS packaging in my junk box.)

I have a large number of Philips BF9XX and BF1XXX dual-gate MOSFETs in my parts poxes, as well as the two NEC devices. They make terrific source-followers, mixers, and AGC stages.

> Maybe the Russians can pick up on them like they did the tubes.

And the Russians are still developing tubes. Why? Because they will survive an atmospheric EMP blast at the onset of a nuclear conflict. We spend $$$$$'s in radiation-hardening semiconductors, but tubes and cockroaches will survive.



Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
http://www.primenet.com/~ctrask

Graphics by Loek Frederiks

Date: Wed, 8 Apr 1998 22:14:08 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: klqrp@waterw.com
Cc: QRP List <qrp-l@Lehigh.EDU>, "N.J. QRP Club List Server" <njqrp@njqrp.org>
Subject: [7832] Re: Status report

Message-ID: <Pine.BSI.3.96.980408220107.2345E-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Good to hear about SMiteKit making it into CQ Column. Just curious, how many have been sent out so far? I can account for five of them :^)

Hey, Have you guys seen the April QRP Quarterly yet? It is a doozie at 88 pages. Guess we will have to call it the "Love and Kisses" issue:^)

Pages 59-61 have a great Article by Laura Halliday, VE7LDH@direct.ca

Introduction to SMT Building a Colpitts oscillator and Buffer.
Just the ticket for those who want yea little Smite to Wander a bit more to yonder. I will have to see if I can find time to Shrink her board a bit to fit the Appropriate Case. Small Pomona, of course. 1 - 3/8" X 1 " with 1/8" squares nibbled off the corners.

This could also be a Micro Beacon with the addition of a "Tick 2B" and a Lithium Cell on the Bottom side.

Where's that Kite? :^)

Sir George, The First :^)

72 ES
QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
QRP A.R.C.I. Net Manager and Board of Director Member.
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301)572-6789
Maryland Milliwatt Club Founder and Trustee of Club Station "WQ3RP"
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Date: Wed, 8 Jan 1992 21:19:28 -0500
From: "Dennis Payton" <dpayton@fwi.com>
To: <qrp-l@Lehigh.EDU>
Subject: [7833] Heathkit SB-220 value?
Message-ID: <199804090223.VAA14885@mail.fwi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

This is QRP related isn't it - selling a linear? My uncle died about 8 months ago and willed me his station. He built the linear and used it

almost every day until the day he died. Since then it's just been sitting on a shelf in my garage.The outer cover is missing but it's completely shielded. I figure it was in his way so he pitched it. Any guidance in determining its value would be appreciated. (I'd like to sell it and have some extra money for Dayton!)

Thanks, Denny Payton N9JXY

Date: Tue, 7 Apr 98 21:30:55 PDT
From: "Robert H. Sorge" <rsorge@phoenix.net>
To: qrp-l@Lehigh.EDU
Subject: [7834] Elmer 101 SW-30+ Student List
Message-ID: <Chameleon.980407214707.rsorge@phoenix.net.phoenix.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well guys this is the list thus far. If you are building the 30 meter version of the SW-XX+ and
would like to be added for Elmer101 information purposes send me the information. The appended list
will be next Monday or....
72 de Bob

Wow, what a list!

Walter Dufrain <walter@inlink.com>
Bruce Hopkins - KL7JAF <kl7jaf@eagle.ptialaska.net>
Scott Bauer <ke3nv@erols.com>
ka7you@juno.com
"William R. Moore" <wr.moore@att.net>
Ed Manuel <n5em@flash.net>
Andy Fox <foxes@theriver.com>
Christian Hunt <chunt@macromedia.com>
Wayne Barnhart <wb7whi@triax.com>
Dale Scott <dcscott@us.ibm.com>
Chuck Adams <adams@chuck.dallas.sgi.com>
Don Branflick <kb2sqt@eclipse.net>
"Adam B. Kanis" <adam-kanis@uiowa.edu>
Ted Kell <tedkell@juno.com>
Rick McNelly <72507.235@compuserve.com>
"Buck, Preston D" <BuckPD@corning.com>
Dick Stimson <destimson@juno.com>
"Peter C. Wotherspoon" <Peter.C.Wotherspoon@hydro.on.ca>
David Shalita <af389@lafn.org>
"Robert V. Jackson" <wb2bjw@juno.com>

Robert H. Sorge <rsorge@phoenix.net>

Name: Robert H. Sorge - KC5FMZ QRP-L#910,NORCAL#793,ARCI#96033
E-mail: rsorge@phoenix.net
Date: 4/7/98
Time: 9:30:55 PM

Date: Wed, 8 Apr 1998 20:09:31 -0700 (MST)
From: Jeff Johnson <jeff@dcsoftware.com>
To: qrp-l@Lehigh.EDU
Subject: [7835] Morse Keyboard
Message-ID: <3.0.32.19980408194225.0090fd60@dcsoftware.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Saw the homebrew morse keyboard at the Norcal meeting Sunday and would
>like to build one, but can't find the article. I remember seeing it in
>the last few
>months.

>That was my keyboard at the NorCal meeting. If memory serves, the original
>article was in December 1997 QST.

>If you decide to build one, be forewarned that there is an error in the
>keying circuits as shown in the article and the FAR circuits PC board. I'll
>have to dig out my notes for the details.

>Mike K1MG

It was December 1997 QST. A friend & I bought the chip only and built
according to the article. The buffer is only about 25 characters so you
have to watch it, but it is a great project. We had no problems with the
circuit printed in QST.

Jeff Johnson
KJ7LO
jeff@dcsoftware.com

Date: Wed, 08 Apr 1998 20:25:10 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7836] DX is!
Message-ID: <352BDD26.4551B3AA@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Go get them, gang. The bands are hopping tonight. Just got ZK2CK at
0323Z on 21.004, 3W. Lots of sigs tonight.
--
72/73, de Roger, N7KT - QRP-L #62 - Mesa, AZ

Date: Wed, 08 Apr 1998 20:42:54 -0700
From: Cam Hartford <camqrp@cyberg8t.com>
To: qrp-l@Lehigh.EDU
Subject: [7837] Spring QSO Party this weekend
Message-ID: <199804090342.UAA10824@key.cyberg8t.com>
Mime-version: 1.0
Content-type: text/plain; charset="us-ascii"
Content-transfer-encoding: 7bit

Gang -

This weekend marks the 63rd annual running of the QRP ARCI Spring QSO Party.

OK, maybe it's only the 23rd. I don't really know, it just seems to come up
every year at this time like clockwork.

I would have reminded you-all earlier but my Internet Service Provider
stopped providing service. They said they got bombed or something. Anyway,
tune in for lots of QRP radio fun. Plenty of activity, lots of people on all
the usual contest bands. A good chance to wring out a certificate if you
operate something off-beat like 15 Meters only. Full rules are in the April
Quarterly and on the ARCI web page.

See you there between Easter egg hunts.

72/73,

Cam Hartford, N6GA

QRP ARCI Contest Manager

Date: Wed, 08 Apr 1998 23:03:45
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [7838] LED Keyer mods
Message-ID: <3.0.3.16.19980408230345.23f7ebe6@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi gang,

I made a few minor revisons / improvments to the keyer

1. Expanded memory to 88 characters. That should be enough for anyone!

2. Added pads to circuit board for hooking up a piezo beeper for side tone which is independant of the actual keyer output jack. You can add a toggle switch to turn the beeper on or off.

3. Added an operating mode to help learn proper inter-character and word spacing. This mode was suggested to me by a Tech+ who wondered if I could turn on the visual aid used to help key in messages, all the time.

You can now add a push button to turn this feature on and off. In the "training" mode, after a pause of 3 dot length times, (an inter-character time) the display will blink "--" on the display for 1/3d a dot length time. After a 7 dot length time (a word space) the display will blink "SP" for 1/3d a dot time. Over all timeing has been adjusted to compensate for the length of the display blink. Neat, eh?

In the memory store mode, the timing is extended from the ideal to make character and word space timing less critical.

72,
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Wed, 8 Apr 1998 21:10:45 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU

Subject: [7839] Re: Missed Qrp Dx Train
Message-ID: <199804090410.VAA04462@usr04.primenet.com>

Howdy,

Walt (K8CV) wrote:
>
> I feel so down and lonely....... all I worked last night was W8SFF on
> 40m and he is 10 miles as the crow flies from me! Woes me! ....
> :-(

Chin up! You may have worked him longpath. ;-)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It happens sometimes. People just explode. Natural causes." -Repo Man

---

Date: Wed, 08 Apr 1998 23:33:27 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: kc5tja@topaz.axisinternet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7840] Re: mail with download attached????
Message-ID: <352C4F97.B8437C16@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sam, before you get too carried away again, Netscape 4.0x does have an
option to either send Vcards or not. I choose not to, so you will never
get one from me. I don't know about IE since I do not use it, but I
would be surprised if it were not possible to disable their version of
the Vcard as well.

The problem seems to be that too many folk just blindly accept all the
program defaults when starting to use Netscape or IE and do not read the
docs to see what they need to think about and set up.

Frankly, I just ignore Vcards when they show up. No problem . . .

--
72/73, George
Amateur Radio W5YR (since 1946)

QRP-L #1373 QRP ARCI #9583
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Date: Wed, 8 Apr 1998 21:39:59 -0700
From: "Arthur Moe" <KB7WW@SignalONE.com>
To: "Qrp" <qrp-l@Lehigh.EDU>
Subject: [7841] HELP: OHR WM-1
Message-ID: <01bd6371$8dd14b80$ef21a3ce@arthur-moe>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

After setting a long long time in the box I finally put my OHR WM1 together.
It
seems to work fine. But I do have one question for the group. Can one leave
it inline when running 100 watts if it is turned off?

Thanks for the help
art

KB7WW@SignalONE.com
OK, So what's the speed of dark??????

Date: Thu, 09 Apr 1998 00:44:55 EDT
From: ka7you@juno.com
To: QRP-L@Lehigh.EDU
Subject: [7842] RS-12A schematic found
Message-ID: <19980408.205713.19215.4.KA7YOU@juno.com>

Thanks to everyone who responded.
The concensus is that the circuit is the common 723 driving a 2N3055
equivalent pass transistor. I have a copy coming, and it should present
no problem for my junk box.
   7 3,

Rod Johnson KA7YOU from CN97ak near Issaquah, Wa. 160M thru 1296 MHz
(3456MHz still in the wings)

Date: Wed, 8 Apr 1998 22:02:22 -8
From: "Dan Hogan" <dhhogan@concentric.net>
To: qrp-l@Lehigh.EDU
Subject: [7843] Re: mail with download attached????
Message-ID: <199804090459.AAA05586@newman.concentric.net>

I solved the hassle with .vcf cards or unrequested attachments. I
DELETE the message without reading. Even though my reader can
handle it by seperating the parts (Pegasus Mailer, freeware).

Dan Hogan WA6PBY
dhhogan@concentric.net
ARRL-VE*QRP-L*QRP-ARCI*NorCal*CQC*Fists*G-QRP*ARS*

Date: Wed, 8 Apr 1998 20:00:06 -0700
From: gsurrency@juno.com (Gary L Surrency)
To: qrp-l@Lehigh.EDU
Subject: [7844] Re: Got him!
Message-ID: <19980408.220228.10158.0.gsurrency@juno.com>

Way to go Roger! I got him last week, and want to try it again. This QRP
DX stuff is pretty cool.

This morning I worked BV7VB (Taiwan) on 14.014 with the HW-9. The added
/QRP on the end of the call seemed to do the trick! ;-)

72,

Gary Surrency AB7MY
S&S TAC-1(40&80m) ARK30 38S OHR100 w/KC-2 HW-9 TS-570D
QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

Date: Wed, 8 Apr 1998 22:01:34 -0700
From: gsurrency@juno.com (Gary L Surrency)
To: qrp-l@Lehigh.EDU
Subject: [7845] Re: KEYER INFO
Message-ID: <19980408.220228.10158.5.gsurrency@juno.com>

Steve wrote:

>Geeez, don't you guys have enough keyers already?

Nah, we're always looking for a new toy to build. Can never have too many keyers around the shack you know.. I'm beginning to believe I'm on some kind of a quest for the "Holy Grail" of keyers! ;-)

72,

Gary Surrency AB7MY
S&S TAC-1(40&80m) ARK30 38S OHR100 w/KC-2 HW-9 TS-570D
QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

Date: Wed, 8 Apr 1998 21:51:32 -0700
From: gsurrency@juno.com (Gary L Surrency)
To: qrp-l@Lehigh.EDU
Subject: [7846] Re: morse-kybd, PIN mod
Message-ID: <19980408.220228.10158.3.gsurrency@juno.com>

I had a problem with the little keyboard keyer too. It wouldn't key my HW-9. Fixed that by using a 2N7000 TMOS FET for the keying transistor. Great little device that FET, and the same part is used in the KC-2 for keying. Been there, done that. Apologies to K5FO. ;-)

The timing seems to be a little too "stacatto" for me. I think there is

too much delay between characters, compared to my two other keyboard keyers. However, at higher speeds it actually seems to be easier to copy. Just sounds a little different than my other keyboards at 15-25 wpm. I like the paddle keyers in my KC-2 and TAC-1 the best, because the timing seems more proper, and they are much easier to send with than your typical paddle keyer.. Wish I had the source code for the Dec. QST keyboard so I could change the inter-character spacing more to my liking. :-P

I wrote up a mini-review of my impressions of the kit a while back when Chuck Adams was thinking about building one. I think he fixed his MFJ-451 and never went ahead with the uP keyboard. If anyone is interested, I can forward that along to them.

And yes, Mike, the keyer speed menu readout on the TS-570D does not refer to actual WPM. This was mentioned in the QST review of the rig, so I don't worry about it any longer. Still, it is easy to change with that infernal Mulit/Ch control that I always forget which mode is in! ;-) Duh!

I have Mike Gipe's excellent PIN diode mod if anyone needs it. I included it in my article on the 38S in the Fall 1997 issue of QRPp, and credited him for it. Works great! :-) :-)

72 & etc.,

Gary Surrency AB7MY
S&S TAC-1(40&80m) ARK30 38S OHR100 w/KC-2 HW-9 TS-570D
QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

Date: Thu, 9 Apr 1998 08:49:02 +0100
From: Leon Heller <leon@lfheller.demon.co.uk>
To: hhurst@delaware.infi.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7847] Re: 40673
Message-ID: <mSBNCBAu1HL1EwhT@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <199804090032.UAA05364@fh101.infi.net>, Harry Hurst <hhurst@delaware.infi.net> writes

>What happened to the dual-gate fets? Why was production of the 40673
>stopped????
>It wasn't that long ago you could buy 3N211's at Radio Shack.
>(I still have a few in RS packaging in my junk box.)
>Maybe the Russians can pick up on them like they did the tubes.

Temic makes the BF961 dual-gate MOSFET (data on their Web site - www.temic.de), available from Farnell/Newark. It's intended for input and mixer stages for FM and VHF TV tuners up to 300 MHz, and is quite cheap.

It's a bit awkward for prototyping on a ground plane (a little plastic pill type package like an MMIC) so I drill a hole for the body of the device and cut away the copper to make short tracks to which I can solder the leads. I've experimented with a 9 MHz IF amplifier using two of these devices, and they work quite well. Using tuned toroidal transformers for inter-stage coupling, it was stable and had plenty of gain (about 70 dB).

Leon
--
Leon Heller: leon@lfheller.demon.co.uk http://www.lfheller.demon.co.uk
Amateur Radio Callsign G1HSM   Tel: +44 (0) 118 947 1424
See http://www.lfheller.demon.co.uk/dds.htm for details of my AD9850 DDS system. See " "/diy_dsp.htm for a simple DIY DSP ADSP-2104 system.

Date: Thu, 9 Apr 1998 10:56:35 +0100
From: Leon Heller <leon@lfheller.demon.co.uk>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7848] AD9850 test program
Message-ID: <+MOr1CATtJL1EwDV@lfheller.demon.co.uk>
MIME-Version: 1.0

I've just updated my test program for controlling the AD9850 via the PC printer port, on my DDS web page (see my sig.). It now allows direct entry of any frequency in MHz, (3.7555, for instance). It would be quite easy to modify the program to sweep between frequencies, for checking filters.

You will need to edit the clock frequency at the beginning of the program, and, possibly, the port address.

73, Leon
--
Leon Heller: leon@lfheller.demon.co.uk http://www.lfheller.demon.co.uk

Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See http://www.lfheller.demon.co.uk/dds.htm for details of my AD9850
DDS system. See " "/diy_dsp.htm for a simple DIY DSP ADSP-2104 system.

Date: Thu, 9 Apr 1998 08:07:02 -0400 (EDT)
From: "Peter C. Wotherspoon" <Peter.C.Wotherspoon@hydro.on.ca>
To: qrp-l@Lehigh.EDU
Subject: [7849] looking for 6 meter CW (maybe SSB) HB radio
Message-ID: <Pine.SUN.3.91.980409080144.29280B-100000@strong.Hydro.ON.CA>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Has anyone build (scratch) any 6 m stuff.
Any recommendations.
Of course the simpler the more desirable.
How about design challenge.
This band will be great for the Adventure Radio Society activities.
Thanks fer ur recs.
Peter
VE3 GYY
Whitby ON. CA..

Date: Thu, 9 Apr 1998 12:27:48 +0100
From: "Steve Sorrell" <ap036@detroit.freenet.org>
To: <vole@primenet.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [7850] Re: Missed Qrp Dx Train
Message-ID: <003701bd63aa$9a93a780$c042b3c7@default>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Path may be direct ground! Water main to water main. Had vertical antenna
mounted in sump pump well to insulate and ground it. Used cold air returns
in the basement for a capacity hat. he he he
72 de Steve W8SFF

Date: Wed, 8 Apr 1998 12:43:33 +0100

From: Dick G0BPS <G0BPS@kanga.demon.co.uk>
To: qrp-l@Lehigh.EDU
Subject: [7851] 40673 thanks all
Message-ID: <IFXPvpAlL2K1Ew9j@kanga.demon.co.uk>
MIME-Version: 1.0

Hi gang,

What a massive response. Well done QRPers!

Lots offered to help, one offered (accepted)
to send a couple to my friend. Thanks Bruce.

Final question, lots suggested using the 3N204
as a direct replcement, anyone tried the 3N201?

I think this is a similar device and I have a
bunch here somewhere.

TTFN de ..
--
Dick Pascoe G0BPS
Kanga Products
Seaview House, Crete Road East
Folkestone CT18 7EG U.K.
Tel 44 (0) 1303 891106
http://www.kanga.demon.co.uk

Date: Thu, 9 Apr 1998 09:29:38 -0400
From: Greg Weinfurtner <gweinfurt1@ohiou.edu>
To: qrp-l@Lehigh.EDU
Subject: [7852] SBL-1 Mixer info needed...help!
Message-ID: <v03110700b152773a798d@[132.235.72.188]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,
     I'm in need of some application notes for the SBL-1 mixer.

(Paul Harden had some application notes for various chips...are you still
here Paul?)

Reason: (As if we hams need any reason!)

I'm working on a shortwave converter for my HR2600 10 meter all-mode. I'm going on vacation in June and I am an avid shortwave listener. Don't want to carry a ton of gear to the beach, just the Scout and Hr2600.

Anyway, upconverting SW bands to 10 meters gives me digital readout of exact frequency on the HR 2600 and AM capability that the Scout doesn't have. I'm going to use an external speaker, too.

For instance, to cover the 31 meter band, 9.4 to 10 mhz:

```
LO 19mhz --> MIXER*SBL-1 >---> 28.4-29 mhz out to HR2600
                ^
                |
Antenna/RFpreamp|
```

Thanks!! de NS8O

Date: Thu, 9 Apr 1998 10:05:40 EDT
From: Bensondj <Bensondj@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [7853] Elmer 101/ errata
Message-ID: <4080b8ad.352cd5b6@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

gang-

color me embarrassed!-

R29, the PA base padding resistor, is shown as 100 ohms on the pictorial on

page 9 of the manual. Its correct value is 51 ohms, per the schematic and parts list. If you've already installed a 100-ohm resistor from your junkbox, no need to change it- it's non-critical.

This note affects both the SW-40+ and 30+. Needless to say, this error was brought to my attention immediately *after* I'd had another hundred manuals printed!

73, Dave Benson, NN1G

Date: Thu, 9 Apr 1998 08:14:08 -0600
From: Brad Mugleston <bmug@gwl.com>
To: "'qrp-l'" <qrp-l@Lehigh.EDU>
Subject: [7854] RS Speaker Mic
Message-ID: <01BD638F.7A5E1060@pps-pc10.gwl.com>

Good morning QRPers,

I stopped off at a few Radio Shacks the last few days looking for these mics. I've found lots of 2.5 inch square speaker mics at $19.95 each and some 2.5 inch square speakers for $9.95 each but none are on sale.

Could someone (or a lot of you) relay (1) the stock number and (2) the location (city/state) where you found them on sale. If I see a trend heading my way I will post a watch and buy some up for resale to the group at my cost + postage.

I could use two for myself (my son and I could each use one).

Thanks

de KB0ROL, Brad

Date: Thu, 09 Apr 1998 10:53:48 -0700
From: LYN <designserv@ipass.net>
To: bmug@gwl.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7855] Re: RS Speaker Mic

Message-ID: <352D0B2B.C9940E5B@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

19-310 was the number; locally they are all out.
Lyn

Brad Mugleston wrote:

> Good morning QRPers,
>
> I stopped off at a few Radio Shacks the last few days looking for these
> mics. I've found lots of 2.5 inch square speaker mics at $19.95 each and
> some 2.5 inch square speakers for $9.95 each but none are on sale.
>
> Could someone (or a lot of you) relay (1) the stock number and (2) the
> location (city/state) where you found them on sale. If I see a trend
> heading my way I will post a watch and buy some up for resale to the group
> at my cost + postage.
>
> I could use two for myself (my son and I could each use one).
>
> Thanks
>
> de KB0ROL, Brad

Date: Thu, 9 Apr 1987 11:15:00 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [7856] Re: RS Speaker Mic
Message-ID: <000f01b10e6e$94ea79a0$4e1105d1@vince>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For the benefit of those in Canada, Toronto for sure. The same speaker mike
is on sale uphere for CAN$ 8.00.

72 de Vince, VE3VFN.

-----Original Message-----
From: LYN <designserv@ipass.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Thursday, April 09, 1998 11:06 AM
Subject: Re: RS Speaker Mic

>19-310 was the number; locally they are all out.
>Lyn

Date: Thu, 9 Apr 1998 11:19:19 -0400
From: "Ken Hanks" <kennfd@ibm.net>
To: <designserv@ipass.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [7857] Re: RS Speaker Mic
Message-ID: <01bd63ca$ddf97a20$LocalHost@kh>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Picked one up last week. Cat# 19-314, $19.95. The 19-910 must be a discontinued model.

Ken K1XS@ibm.net

Date: Thu, 9 Apr 1998 11:39:06 -0400
From: Tracy@bytemark.com (Tracy)
To: "'gweinfurt1@ohiou.edu'" <gweinfurt1@ohiou.edu>, "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [7858] RE: SBL-1 Mixer info needed...help!
Message-ID: <01BD63AC.2789A9E0.tracy@bytemark.com>

MCL has tech notes online at
www.minicircuits.com.

I've used this mixer a lot, and have used a very simple circuit that came from

the "progressive communications receiver" series of articles and handbook projects by Wes Hayward, W7ZOI. I can't recall exactly which QST's they were in, but it was in the handbooks from (I'm sure of these dates, may be in others) 1988-1992.

The mixer circuit is comprised of the SBL-1, and uses a 2N5109 as the amplifier and to provide a proper 50 ohm termination for the mixer. (critical) It has a simple bifilar toroidal transformer for the output which they put through a 6dB attenuator to dampen any reflected power. (I think that's what its for, don't remember reading the article ...)

If you're a member of the league they'll send you a copy of the article for a couple bucks.

I've used the same circuit mixing signals all the way to 430 MHz. It's great, easy to build and very versatile.

Hope that helps
Tracy, N4LGH #1453

-----Original Message-----
From: Greg Weinfurtner [SMTP:gweinfurt1@ohiou.edu]
Sent: Thursday, April 09, 1998 9:30 AM
To: Low Power Amateur Radio Discussion
Subject: SBL-1 Mixer info needed...help!

Gang,
I'm in need of some application notes for the SBL-1 mixer.

(Paul Harden had some application notes for various chips...are you still here Paul?)

Reason: (As if we hams need any reason!)

I'm working on a shortwave converter for my HR2600 10 meter all-mode. I'm going on vacation in June and I am an avid shortwave listener. Don't want to carry a ton of gear to the beach, just the Scout and Hr2600.

Anyway, upconverting SW bands to 10 meters gives me digital readout of exact frequency on the HR 2600 and AM capability that the Scout doesn't have. I'm going to use an external speaker, too.

For instance, to cover the 31 meter band, 9.4 to 10 mhz:

```
LO 19mhz --> MIXER*SBL-1 >---> 28.4-29 mhz out to HR2600
                ^
                |
Antenna/RFpreamp|
```

Thanks!! de NS8O

Date: Thu, 9 Apr 1987 11:35:46 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [7859] Re: RS Speaker Mic
Message-ID: <001a01b10e71$7af53e60$4e1105d1@vince>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It is possible, mine was manufactured in May 95 (5A5 code). I purchased it a couple of months ago. It was not in their flyer, it looked like as old stock at that particular store. Many other items were available with discounts as high as 75%.

By the way, the $8.00 price in Toronto included our loved GST and PST. For our friends south of the border, this is an extra 15% on top of the merchant price.

72 de Vince, VE3VFN.

-----Original Message-----
From: Ken Hanks <kennfd@ibm.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Thursday, April 09, 1998 11:22 AM
Subject: Re: RS Speaker Mic

>Picked one up last week. Cat# 19-314, $19.95. The 19-910 must be a
>discontinued model.
>
>
>
>Ken K1XS@ibm.net

Date: Thu, 09 Apr 1998 11:36:40 -0400
From: Joseph Trombino jr <joebarb@wilmington.net>
To: QRP-L@Lehigh.EDU
Subject: [7860] Re: Solar Flux hits 141!
Message-ID: <3.0.1.32.19980409113640.006c164c@wilmington.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Paul Harden wrote:
>
>Gang,
>Solar flux hit 141 today, the highest I've seen in many years, with
>the 3 day forecast approaching 150. Now this is getting to be some
>serious flux numbers indicating good E and F layer ionization for
>good skip propagation.
>
snip

If we are hitting a Solar flux of 141 now, what is the typical Solar flux
value during a sunspot maximum? Being new to six meters, wonder when the
"magic band" will really hit it's stride with true F layer propagation?
Are things geting great, or what?:)

          72/73 and cheers, Joe W2KJ (North Carolina)

Date: Thu, 9 Apr 1998 11:43:04 EDT
From: RangerSF5 <RangerSF5@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [7861] Re:RS speaker mic
Message-ID: <cac72abf.352cec8a@aol.com>
Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

The mod #19-910 is the newer mic
The #19-310 is the older mic and I was told the price would stay at $ 2.97
untill they were all gone
Bob
WA2HOQ

Date: Thu, 9 Apr 1998 10:21:02 -0400
From: n1wcc@juno.com (Arol b hill)
To: qrp-l@Lehigh.EDU, qrp-l@Lehigh.EDU, kl7jaf@polarnet.com, w4ed@flash.net,
k5zty@juno.com, n4bp@bc.seflin.org, N3BJ@aol.com, ki7mn@dancris.com,
     wp4jxd@prtc.net, k5hgb@flash.net
Subject: [7862] FS/misc.qrp, related
Message-ID: <19980409.102104.18174.5.N1WCC@juno.com>

1.Radio Shack(oscope) Probescope v4.1 Brand new never used took it out of
box and looked at it thats about it...$50.00
2.Yaesu FT-301SD xcvr, 160-10m, 20w, w/CW filter and
manual,$199(Well allmost qrp)
3.38 special and san louis machine custom case
Board has been pretty much built with 5 watt mod and rit mod,still need
6.8 uf molded choke to complete rit mod..Tick keyer mod installed also
with tick 1 chip.Wiring has been soldered to board but not hooked up to
off board components yet, all off board components(except for one jack
for headphones) included..Has not been tested or alighned yet..Also have
ordered heat sink from san louis mach. will forward it when i recieve
it..$60......
.....
non qrp
4.Compaq Concerto 486 dx 33 laptop,200 meg hd,14.4 zoom fax
modem,mouse,ac adapter/charger..monochrome display very bright..
unit is in real nice shape..$250.00
5.Mfj deluxe versa tuner 2 model 948 nice shape with book $75.00
All items plus shipping,money orders appreciated
Thanks for the bandwidth
72's
Arol n1wcc

```
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Date: Thu, 09 Apr 1998 12:17:21 -0400
From: "." <hapence@erols.com>
To: qrp-l@Lehigh.EDU
Subject: [7863] DK3 MOUNT on Sail boat
Message-ID: <199804091617.MAA24936@smtp2.erols.com>
Mime-Version: 1.0
Content-Type: text/html; charset="us-ascii"

<html><div>80409  1200VAT</div>
<br>
<div>QRP Boaters/ RVers</div>
<br>
<div><x-tab>    </x-tab>I`m expecting my DK3 any
day,  now would appreciate any ideas on mounting it on the
stern  rail of a 19 footer -West Wight Potter -.  the rail is
1&quot; SSteel pipe.  </div>
<br>
<div><x-tab>    </x-tab>The current back stays are
1/4&quot; Kevlar so should not interference w/antenna.  The physical
attachement to the rail with available HW is  a puzzle for me.
</div>
<br>
<div><x-tab>    </x-tab>Thanks</div>
Grover  KQ4AL
<BR>

<b><i><div align="right">
</b></i></html>



------------------------------

Date: Thu, 9 Apr 1998 09:18:44 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <gsurrency@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [7864] Re: morse-kybd, PIN mod
Message-ID: <01bd63d3$2aa270e0$309f5ecf@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
```

>I had a problem with the little keyboard keyer too. It wouldn't key my
>HW-9. Fixed that by using a 2N7000 TMOS FET for the keying transistor.

That's an excellent solution, even better than what I did. The problem is caused by the output characteristics of the 87C751 microprocessor used in the design. The port output circuit has a microamp-level current source serving as the pullup instead of an actively switched pullup transistor. This limits the output source current to a few microamps, which is not enough to fully turn on the NPN keying transistor. Being impatient, and not having a FET available, I just added a pullup resistor to the uP output and settled on 3.3 kohms as a reasonable value. This works reliably over the range of currents needed for most solid state rigs. A definitely better solution is to use a low-threshold switching MOSFET, like the 2N7000, if you have one.

Although I didn't build the negative voltage switch that the author included in his circuit, I noticed that it also had problems. Instead of switching the rig's negative keying voltage to ground during key down, it connected the key line to the regulated +5 v line. Some rigs may not like having their key input brought above ground. In addition, all the keying current has to go through your 5 volt regulator, and this may cause problems, as well.

>... typical paddle keyer.. Wish I had the source code for the Dec. QST
>keyboard so I could change the inter-character spacing more to my liking.
>:-P

I would change a lot of things!

>And yes, Mike, the keyer speed menu readout on the TS-570D does not refer
>to actual WPM. ... Still, it is easy to change with that
>infernal Mulit/Ch control that I always forget which mode is in! ;-) Duh!

I can't for the life of me figure out why they couldn't put real WPM values on the readout!

I had to reprogram it to NOT round off the 10 kHz steps, because I could never get back to where I was when I accidentally turned the knob in that mode!

Mike K1MG

Date: Thu, 09 Apr 1998 16:36:56 +0000
From: Ed Loranger <we6w@qsl.net>
To: ap036@detroit.freenet.org
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7865] Re: Missed Qrp Dx Train
Message-ID: <352CF928.4C54@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Oh Yeah? I have a 1966 or so article. You connect the output of a
50 Watt audio amp (Like the PA in a CB), +/- wires to their own 6 foot
pipe pounded in the ground a certain distance apart. Your friend 3
miles
away has his AM receiver such that the audio input is via two pipes
separated like yours.

Now that is Ground Path. Apparently it works and was used to
communicate
UNDER enemy lines in WWII.
-Ed

Steve Sorrell wrote:
>
> Path may be direct ground! Water main to water main. Had vertical antenna
> mounted in sump pump well to insulate and ground it. Used cold air returns
> in the basement for a capacity hat. he he he
> 72 de Steve W8SFF

--
72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
http://www.qsl.net/we6w (Enjoying Ham Radio every day.)

Date: Thu, 09 Apr 1998 13:14:20 -0400
From: Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>
To: joebarb@wilmington.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7866] Re: Solar Flux hits 141!
Message-ID: <352D01EC.7753CC7@eng14.rochny.uspra.abb.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I was on 20m cw about 15 minutes ago and the band was pretty dead:(

Tom, kv2x

Date: Thu, 9 Apr 1998 10:39:30 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: "George T. Baker" <w5yr@swbell.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7867] Re: mail with download attached????
Message-ID: <Pine.LNX.3.96.980409103712.17244J-100000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 8 Apr 1998, George T. Baker wrote:

> The problem seems to be that too many folk just blindly accept all the
> program defaults when starting to use Netscape or IE and do not read the
> docs to see what they need to think about and set up.

Internet Explorer uses Outlook Express, and as I've stated many times, is
a *EXCELLENT* e-mail client. I highly recommend it over anything else
Microsoft has produced.

My complaint was with Outlook 97. I don't know about 98, because we
haven't received our copy of it yet (it's still newly released). My list
of grievances with Outlook 97 goes well beyond the vcards stuff too.

> Frankly, I just ignore Vcards when they show up. No problem . . .

Where I live, I do too. Where I used to live, however, I couldn't. I
paid by the minute on a 14.4kbps modem then.

(Thank god those days are over! :D)

==
      KC5TJA/6 | -| TEAM DOLPHIN |-
        DM13 | Samuel A. Falvo II
    QRP-L #1447 | Chief Architect and Project Founder

Date: Thu, 9 Apr 1998 10:45:38 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7868] Re: mail with download attached????
Message-ID: <Pine.LNX.3.96.980409104349.17244L-100000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Sorry about this. I could have sworn I told PINE not to cc: it to the
mailing list, but I guess I was slightly incorrect on that. :)

==
      KC5TJA/6 | -| TEAM DOLPHIN |-
        DM13 | Samuel A. Falvo II
    QRP-L #1447 | Chief Architect and Project Founder

Date: Thu, 9 Apr 1998 14:08:56 EDT
From: K5BDZ <K5BDZ@aol.com>
To: K5BDZ@aol.com, qrp-l@Lehigh.EDU
Subject: [7869] FS: Vertical Antennae
Message-ID: <33bccb25.352d0eba@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

For Sale...Antennas are PICKUP ONLY in Houston Texas.
Telex-Hygain DX-88 Vertical 80 thru 10 meters including WARC. Up 3 years and
in Excellent cndx. Ground mounted and operating. $150 Pickup only.
Cushcraft RV-5 vertical (no radials required) Great Apt antenna. Down and
stored. Used less than one year. Excellent condition. $125 Pickup only.
Bill, K5BDZ
K5BDZ@aol.com
713.772.6739

Date: Thu, 9 Apr 1998 14:19:51 -0400
From: "John J. McDonough" <jjmcd@mdn.net>
To: <jennings@eng14.rochny.uspra.abb.com>, "Low Power Amateur Radio Discussion"
<qrp-l@Lehigh.EDU>
Subject: [7870] Re: Solar Flux hits 141!
Message-ID: <199804091922.5147400@midland2.mdn.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> From: Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>;
owner-qrp-l@Lehigh.EDU
>
> I was on 20m cw about 15 minutes ago and the band was pretty dead:(

Listen close, tho. I was on 15 and what few stations were there were from
South America.

73 de WB8RCR

Date: Thu, 09 Apr 1998 13:35:23
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [7871] Keyboard keyer design/ AT keyboard codes
Message-ID: <3.0.3.16.19980409133523.2be765f6@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Howdy,

Some time back I designed a keyboard input for a "blivit" keyer, one that
could use a straight key, paddle, RS 232 PC connection or an AT keyboard
input. (also had LCD display and Morse decoding ablities) So, I had to sit
down and figure out how to read an AT keyboard.

Let me tell you, AT keyboards work in a strange way. First, the output is a
standard serial formate, start bit, 8 data bits, parity and stop bit.
However, the baud rate is non-standard and quite arbitary. They use an LC
or RC osc in the keyboard, so you can't count on what the baud rate will
be. Therefore, the keyboard input needs to be interupt driven. It takes a
fair amount of cpu over head to input and decode the keyboard.

There are three codes sent when you hit a key. One when you push the key
down and two more when you release the key. The shift key works in a really
strange way and is hard to impliment. (I belive you get two keycodes at
once) I know I redifined keys to get around the shift function, It was just
so much easier.

The way I read the keyboard was to look for the key release code, which is
the same for all keys. Then I used the second key code sent after the key
relese code. (which happens to be duplicated for some of the keys, but

thankfully not for any of the common keys) This eliminated problems with auto repeat, because if you hold down a key,(for about half a second) the first key code gets repeataly sent out at a very fast rate. I guess it's up to the recieving end to slow it down and add the delay before the repeat kicks in.

If anyone is really interested, I have a chart of all the key codes.

I think the ultimate thing to do is to make a cpu that could replace the one in the keyboard. The only real question is if all keyboards use the same switch matrix going to the cpu? If not, you'd be limited to one perticular brand and style keyboard and that would be a big draw back.

More than you ever wanted to know, eh?

72,
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Thu, 9 Apr 1998 11:45:44 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: Steven Weber <kd1jv@moose.ncia.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7872] Re: Keyboard keyer design/ AT keyboard codes
Message-ID: <Pine.LNX.3.96.980409113505.23590B-100000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 9 Apr 1998, Steven Weber wrote:

> Let me tell you, AT keyboards work in a strange way. First, the output is a
> standard serial formate, start bit, 8 data bits, parity and stop bit.
> However, the baud rate is non-standard and quite arbitary. They use an LC
> or RC osc in the keyboard, so you can't count on what the baud rate will
> be. Therefore, the keyboard input needs to be interupt driven. It takes a
> fair amount of cpu over head to input and decode the keyboard.

The AT keyboard is designed for use specifically with an 8048 chip. The 8048 is an Intel microcontroller (the one that gave birth to the infamous 8051 and all its descendents). IBM used this chip specifically for the task of receiving PC, XT, and AT keycodes. There's not enough memory in the 8048 to convert scancode sets.

> There are three codes sent when you hit a key. One when you push the key

> down and two more when you release the key. The shift key works in a really
> strange way and is hard to impliment. (I belive you get two keycodes at
> once) I know I redifined keys to get around the shift function, It was just
> so much easier.

What scancode sequence are you using? Scancode sequence 0 is what the keyboard should boot into, and it should transmit only one code on key down, and one code on key up. Both shift keys should generate only one byte of scancode either way; however, the right CTRL and ALT keys will generate TWO codes for down and up. The first code is $E0, and is considered the "extended keyboard" prefix. This is because the original PC/XT keyboards did not have a right CTRL or ALT key.

If you're interested, I have some keyboard decoding software that I wrote for my OS. I can send this to you if you want (assumes it's running on an IBM PC/AT compatible platform). I'd be interested in seeing how your scancode observations compare with that of how the keyboard is seen by the AT motherboard.

> The way I read the keyboard was to look for the key release code, which is
> the same for all keys. Then I used the second key code sent after the key
> relese code. (which happens to be duplicated for some of the keys, but
> thankfully not for any of the common keys) This eliminated problems with
> auto repeat, because if you hold down a key,(for about half a second) the
> first key code gets repeataly sent out at a very fast rate. I guess it's up
> to the recieving end to slow it down and add the delay before the repeat
> kicks in.

Based on your description, it sounds like the keyboard isn't being properly initialized. First, it sounds like the key repeat rate is being initialized to its maximum value, and second, it sounds like the scancode set isn't the "default" PC/XT scan code set.

> If anyone is really interested, I have a chart of all the key codes.

I am definately interested, as I'm writing my own operating system. Knowledge of this could potentially make my life easier as a systems programmer. :)

> More than you ever wanted to know, eh?

Actually, I find it to be rather interesting. Frankly, I'd rather have the keyboard be an external device, though -- you wouldn't have to worry about OEM scan matrices.

I wonder: if I type 90 characters a minute, how many words per minute in morse code would that be? :)

==
      KC5TJA/6 | -| TEAM DOLPHIN |-
        DM13 | Samuel A. Falvo II
    QRP-L #1447 | Chief Architect and Project Founder

Date: Thu, 9 Apr 1998 12:52:37 -0600
From: Brad Mugleston <bmug@gwl.com>
To: "'qrp-l'" <qrp-l@Lehigh.EDU>
Subject: [7873] Antenna Help
Message-ID: <01BD63B8.B4F30680@pps-pc10.gwl.com>

Gang,

I have 150 feet of 12G flex wire (Antennas West), 45 feet of 450 ohm twin lead and a ZM-1. What should I build for portable/camping?

Brad

Date: Thu, 09 Apr 1998 22:04:54 +0200 (EET)
From: "Arjen Raateland, FEI/Impacts Research" <Arjen.Raateland@vyh.fi>
To: qrp-l@Lehigh.EDU
Subject: [7874] Super VXO
Message-ID: <01IVOJS3WH0K99G6JF@vyh21.vyh.fi>
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII
Content-transfer-encoding: 7BIT

Recently there was a short thread about the Japanese super VXo with two Xtals in parallel.

Today I got the April issue of Electron, a Dutch ham radio magazine. In it PAoKSB discusses the Super VXO described by JAoAS and JH1FCZ and applied by 7N3WVM.

Klaas, PAoKSB, explains that the tuning range with two Xtals in parallel is 'large' because paralelling two reactive Xtals halves the impedance in both the inductive and capacitive area. Therefore a particular value of the external component (L) as used in a VXO is relatively large when used on two Xtals in parallel and this results in a larger swing than with one Xtal and the same inductance.

Klaas describes how he gets a 100+ kHz swing with a carefully designed & built dual-gate MOSFET oscillator with a simple AGC detector controlling the first gate. Its output signal is very pure. Harmonics below -50 dB, which cannot be said of the original two Xtal circuit.

Instead of two Xtals in parallel and with a small inductance in series, use 1 Xtal with a large inductance in series (and a variable cap to tune). The total Q is better, too, says Klaas.

He ends his notes hoping that Japanese circuit designs - he uses a slightly more negative word - will continue to inspire us in the future ....

The dual-gate MOSFET he used is a BF982. Klaas, BTW, is the original designer of the huff-n-puff VFO stabilizing circuit.

I thought I should let you all know.

Arjen Raateland
--... ...-- -.. . --- .... ..--- --.. .- --..
Finnish Environment Institute, Helsinki, Finland
SAS Support
EMAIL: Arjen.Raateland@vyh.fi
tel. +358 9 4030 0457
fax +358 9 4030 0490
.-.-. -.-

Date: Thu, 9 Apr 1998 12:20:46 -0700
From: "Frank A. West" <ke6vhm@earthlink.net>
To: <cavcey@boulder.nist.gov>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [7875] Re: Unrequested atteached files
Message-ID: <199804091930.MAA13975@norway.it.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I agree, always delete, never open.
KEEP them unless asked.
Only respond to those that request them.
ARE good rules to live by.
$.02 de Frank

> From: Dr. Kenneth Cavcey <cavcey@boulder.nist.gov>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: Unrequested atteached files
> Date: Wednesday, April 08, 1998 12:55 PM
>
> Ref:vcard.vcf file by Dan_Tayloe to my Eurdora\Attach directory.
>
> Hey fellas, I thought we agreed that we were not going jump on someones
> hard disk without permission. Attached files would better
> be sent directly to the party requesting them.
>
> Flame away!!!   Ken   W0YOR
>

Date: Thu, 9 Apr 1998 12:41:30 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [7876] Battery float chargers
Message-ID: <01bd63ef$7e2046e0$309f5ecf@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang --

Thanks to Chuck Adams I managed to get a nice wal-wart style lead acid battery float charger at the last NorCal meeting. This little gizmo plugs into your AC wall outlet and provides a regulated output intended for charging the small sealed lead batteries which are so handy for QRP rigs.

It just so happens that I had a 3 amp battery that was in need of recharging, so I put together a cable and tried it out.

Here are my observations for the benefit of those who were able to pick one of these up.

First, there is one thing that you must remember when using this. When the charger is not plugged into AC, it will drain the battery. Evidently, the regulating circuitry loads the battery when there is no DC being generated from the power supply. I measured 15 mA coming from the 11.7 volt battery.

When I plugged it into the wall, the charger came right up to 13.76 volts, and stayed there. The current consumed by the battery started at 220 mA and

started dropping fairly quickly as it charged. It seems to be a pretty gentle way to charge your battery.

I still have the battery sitting on the charger, and haven't used it to run a rig yet, so I can't tell whether the battery has been completely topped off at 13.76 volts. More info at 11:00.

Mike K1MG

Date: Thu, 9 Apr 1998 12:33:35 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: "Arjen Raateland, FEI/Impacts Research" <Arjen.Raateland@vyh.fi>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7877] Re: Super VXO
Message-ID: <Pine.LNX.3.96.980409123154.31534A-100000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

What is a 'huff-n-puff' VFO Stabilizer?

==
      KC5TJA/6 | -| TEAM DOLPHIN |-
        DM13 | Samuel A. Falvo II
    QRP-L #1447 | Chief Architect and Project Founder

Date: Thu, 09 Apr 1998 15:52:50 -0400
From: joel malman <malman@world.std.com>
To: qrp-l@Lehigh.EDU
Cc: malman@world.std.com
Subject: [7878] Some say 'Bands Dead'
Message-ID: <199804091952.AA19024@world.std.com>

"Bands dead" with the flux at 141 ??? No way. Not from this QTH anyway.
My last 7 log entries:

    EX8MZ IK4JPR 9A2AJ ZL1ALT 9A3BS I2BJS TM0TWA

Gee, 4 watts (on 30m), and 2.5 watts on 15 and 17 meters, with a dipole out back, behind the condo might prove to be to much of a station for

QRP... Maybe we should limit QRP to .95 watts and 25 foot of wire.

/joel   wa1qvm   (Concord, Mass)

Date: Thu, 9 Apr 1998 16:54:07 -0400
From: cooper@gmpvt.com (Tom Cooper)
To: qrp-l@Lehigh.EDU
Subject: [7879] Re: Some say 'Bands Dead'
Message-ID: <199804092054.QAA11845@web.gmpvt.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>"Bands dead" with the flux at 141 ??? No way. Not from this QTH anyway.
>My last 7 log entries:
>
>   EX8MZ IK4JPR 9A2AJ ZL1ALT 9A3BS I2BJS TM0TWA
>
I've been hearing Asians on 15m after 0000 utc (but not working many)
which is one of the best indicators of good propagation that I know of!

I did find that my open wire line had become wrapped around an aluminum ladder
over the winter, which wasn't doing my signal much good. Maybe tonight that
HL will hear me.

Tom W1EAT

Date: Thu, 9 Apr 1998 13:20:23 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: Brad Mugleston <bmug@gwl.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7880] Re: Antenna Help
Message-ID: <Pine.LNX.3.96.980409131644.1894C-100000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 9 Apr 1998, Brad Mugleston wrote:

> Gang,
>
> I have 150 feet of 12G flex wire (Antennas West), 45 feet of 450 ohm

> twin lead and a ZM-1. What should I build for portable/camping?

I'm no expert in this, but I'd investigate a small loop antenna. They're physically quite small, and they seem to have excellent performance (in many cases, equalling a dipole, based on my web research). Since they're so small, it should be quite easy to build one and use it for camping. They're also effective near the ground as well, from what I understand, so there's no need to string it up high off the ground.

The only requirement is that YOU and your equipment be at least 15 feet or so away from the antenna -- those antennas are based on current, not voltage, and they can induce up to 50A of current in them. I wouldn't want to be near that kind of current for safety reasons.

==
      KC5TJA/6 | -| TEAM DOLPHIN |-
        DM13 | Samuel A. Falvo II
    QRP-L #1447 | Chief Architect and Project Founder

Date: Thu, 9 Apr 1998 13:21:46 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: Tom Cooper <cooper@gmpvt.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7881] Re: Some say 'Bands Dead'
Message-ID: <Pine.LNX.3.96.980409132057.1894D-100000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 9 Apr 1998, Tom Cooper wrote:

> I did find that my open wire line had become wrapped around an aluminum ladder
> over the winter, which wasn't doing my signal much good. Maybe tonight that
> HL will hear me.

Aww...c'mon. You're a ham radio guy, find a way to use that ladder as a second transmitting element for your antenna! :D

==
      KC5TJA/6 | -| TEAM DOLPHIN |-
        DM13 | Samuel A. Falvo II
    QRP-L #1447 | Chief Architect and Project Founder

Date: Thu, 09 Apr 1998 20:32:21 +0000
From: Ed Loranger <we6w@qsl.net>
To: mgipe@reliablemeters.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7882] Re: Battery float chargers
Message-ID: <352D3055.7EE0@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Holiday tomorrow, so this is Friday's post :)

I don't know how I come up with these things...

First there's that Ice Cream commercial with the pink spoon.
The spoon talks.. rides the train with the guy, offers to play
tennis the next day...

IF I WROTE IT:
Hey, I think the spoon should be sliding around on the dashboard
of his car at each turn. As traffic congestion slows everyone
else down, the driver seems to luck out and get all the green lights
and open road.

Next scene, he's finishing a BIG Ice Cream dessert inside the business.
"I'll keep the spoon for good luck." ,he quips

Final scene, he gets in his car, tosses the spoon into the back seat
and drives away.

final Camera Pan:Trunk lid is unlatched and the viewer sees a trunk
full of spoons.

    "Ice cream this good is worth repeating"**

OBQRP: There's always something exciting going on at these Norcal
meetings. That's a neat sounding charger, Mike.

With all these neat projects, etc. It is tough to get any sleep
at my QTH -- Hi!

In fact, I got up at Midnight to do 1-1/2 hours of SWL'ing last night.

CW keyboards, Antennas, field QRP operations and ELMER 101! Wow.

It's great to be involved with ARCI/QRP-l/ARS/AR/Norcal etc.

If being "Normal" is watching TV after work, then I'm glad I'm a
member of these non-normal activities!

And Norcal is several letters short of Normal!

Now that's a happening QRP Ham Club!

Have a nice Easter to all
.
-Ed Loranger (Back Next Tuesday)

--
72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
http://www.qsl.net/we6w (Enjoying Ham Radio every day.)

Date: Thu, 09 Apr 1998 13:30:42 PDT
From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [7883] Re: 40673
Message-ID: <19980409203045.12151.qmail@hotmail.com>
Content-Type: text/plain

Harry Hurst (hhurst@delaware.infi.net) wrote:

> What happened to the dual-gate fets? Why was production
> of the 40673 stopped????

Because nobody was buying them. Because there were new
ways of solving the problems the 40673 originally solved.
Because new designs could do a better job. Because there
were new problems to solve, and old problems that were
no longer worth solving. If the electronics industry
stops using a device, it's dead: we hams are far too
tiny a piece of the action to make any difference.

Making semiconductors costs money, and no manufacturer

is under any obligation to keep producing devices in
perpetuity.

If you are absolutely certain that you really want
dual-gate MOSFETs, they are available. Just not 40673s.

Laura Halliday VE7LDH/7   "Laisse le vent tout emporter..."
Grid: CN88hk IOTA: NA036   - Foly/Viennet

Date: Thu, 9 Apr 1998 16:50:36 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [7884] QRP Contest
Message-ID: <01bd63f9$259d1520$5f5445c6@default>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello everyone,

 Does anyone use the contest program NA during the
QRP contest. How should I set up the scoring part of
the program.

Thanks in advance for the help.

73, Good DXing & QRPing
Ron de WB3AAL

E-mail: wb3aal@talon.net
BBS: WB3AAL @ WB3FYL.#BER.PA.USA.NA

EPA QRP # 1   QRP # 5318   10-10 # 13173
QRP-L # 1099   G-QRP # 3031   AK QRP # 309
Adventure Radio Society #380

Date: Thu, 9 Apr 1998 13:53:31 -0800
From: Russ Carpenter <russ@natworld.com>
To: "QRP-L List" <qrp-l@Lehigh.EDU>
Subject: [7885] Results of the APRIL SPARTAN SPRINT
Message-ID: <199804092053.NAA16882@guppy.pond.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

There must have been the mother of all lightning storms Monday night, because Spartan Sprinters across the country got rattled and rolled on both 40 and 20 meters. Nevertheless, between the crashes, the signals were there. A certain rascal from Oregon topped both categories with 28 Qs, closely followed by Spartan standouts W3TS and N7XJ.

Thanks to all of you who participated! By the way, if you're one of the many stealth participants (a non-log-submitter), give our automated log system a try. Just go to www.natworld.com/ars and follow the road signs. It's more fun than roller skates!

For stations that weighed a zillion pounds, we stipulated a weight of 30 pounds. Qs on both 40 and 20 meters got one point each.

Results sorted in order of points per pound (the Skinny Division):

Call	Name	40 M	20M	Total	Weight	Points/ Pound
AA7QU	Russ	14	14	28	2.7	10.37
W3TS	Mike	7	0	7	.8	8.75
N7XJ	Bob	10	15	25	4.5	5.56
AB7TK	Randy	10	0	10	2.9	3.45
W6SU	John	8	0	8	2.4	3.33
WA4AAK	Evan	5	0	5	1.5	3.33
AC6XK	Lorraine	10	0	10	4.8	2.08
WA1QVM	Joel	5	3	8	4	2.00
nu6SN	Richard	3	0	3	2	1.50
KD3FG	Jon	5	1	6	5	1.20
VE6EWM	Earl	0	4	4	6	0.67
VE3ELA	Ken	5	6	11	30	0.37
KF6CTA	Dick	4	5	9	30	0.30
KC8JIE	Ed	6	0	6	20	0.30
AE4GX	Sam	1	0	1	10	0.10

Results sorted in order of points (the Tubby Division)

Call	Name	40 M	20M	Total
AA7QU	Russ	14	14	28

N7XJ	Bob	10	15	25
VE3ELA	Ken	5	6	11
AC6XK	Lorraine	10	0	10
AB7TK	Randy	10	0	10
KF6CTA	Dick	4	5	9
WA1QVM	Joel	5	3	8
W6SU	John	8	0	8
W3TS	Mike	7	0	7
KD3FG	Jon	5	1	6
KC8JIE	Ed	6	0	6
WA4AAK	Evan	5	0	5
VE6EWM	Earl	0	4	4
nu6SN	Richard	3	0	3
AE4GX	Sam	1	0	1

Don't forget the May Spartan Sprint on May 4. And mark your calendars for a most interesting event coming up on the weekend of June 14 and 15--the Top of the World, hamdom's only QRP VHF event. See the ARS web site for the details.

Russ Carpenter, AA7QU
Contest Manager

Date: Thu, 9 Apr 1998 13:53:33 -0800
From: Russ Carpenter <russ@natworld.com>
To: "QRP-L List" <qrp-l@Lehigh.EDU>
Subject: [7886] Soapbox for the April Spartan Sprint (Long)
Message-ID: <199804092053.NAA16887@guppy.pond.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

>From Jon, KD3FG

Tough going on 40; lots of QRN here in Maryland. Managed to work NY, AL, MI, ONtario, and most of an exchange with WA1QVM in MA. 20 was mostly quiet with a few stations heard from the west coast; worked one OR. I definately struggled with this one, but it was still a blast!

****

>From Ken, VE3ELA

Operated portable this month from a farm near the village of Everett. Location was high, with panoramic view south. Only drawback was the power line towers crossing the property, causing some QRN! Set up a W3EDP

antenna with counterpoises, along with my trusty HW-9. Will try operating portable again at different locations before choosing a site for this summer's "Flight of the Bumblebees"

****

>From Lorraine, AC6XK

Forty meters was hopping! I think most of the ARS members were on 20 though. Even so, I had a great time. I need to do this more often!

****

>From Sam, AE4GX

Only got in for one exchange but 40 mtrs seemed busy. My local QRN was S7.

****

>From Joel, WA1QVM

Naturally, by 9pm local here on the east coast, 20 meters was mostly useless. But I did manage to work TX, OR and MN (on 20 meters).

40 meters was not very good either. A lot of QRN and there was QRO QSO's all over the place.

No way to run stations in a sprint with those conditions! I'll wait till next month for better conditions.

****

>From Dick, KF6CTA

Hope to have enough time next month, to get out somewhere with the SST-20, and get out of the tubby category. I screwed-up badly a number of times, but nevertheless really enjoy this event.

****

>From Evan, WA4AAK

There was plenty of QRN on 40 meters in North Alabama, and it was a little tricky maneuvering around the QRO traffic handlers and ragchewers near 7040. Still, it was lots of fun, thanks to the hard work, persistance, and patience of the Spartan Sprint QRP'ers! See you next month!

****

>From Ed, KC8JIE

I had way too much fun. Local qrn was bad due to noisy power lines but I worked every station I heard except AE4GX.

****

>From Mike, W3TS

Only 40M. Off to a slow start due to confusion as to the start time. Then missed about 1 hour due to regular Monday night sked. Same SW-40 station as other times.

****

>From Earl, VE6EWM

Guess the waves do reach into Alberta, put up a 40M dipole just in time for the Sprint, many thanks to all that I made contact with, not many on 20M though....till next Sprint 72's...Earl VE6EWM (just moved) was VE5WF from Sask.

****

>From Bob, N7XJ

Lots of fun despite very noisy bands. The sprints are getting better and better! I heard W3TS on 40 m, but couldn't contact him. Many calls are sounding like old friends. de N7XJ, Bob
in central Utah

Date: Thu, 9 Apr 1998 13:59:39 -0700
From: "Gerald Mike Claussen (gmc)" <gmc@sequent.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [7887] NorCal Website...
Message-ID: <1DDAE93A2402D11188BD0000C02213F5048E0CF9@gobo.sequent.com>

I missed being the 100,000 visitor to the NorCal website by 8. I was the 100,008. Not including the 100 or more times I have visited
the site already. :-)

Over 100,000 hits. WOW!!!

Compliments to Jerry Parker for all his hard work on the NorCal website.

Thank you very much Jerry!

72,
Mike KK7GG

Date: Thu, 9 Apr 1998 13:55:56 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: Ed Loranger <we6w@qsl.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7888] Re: Battery float chargers
Message-ID: <Pine.LNX.3.96.980409133027.1894F-100000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 9 Apr 1998, Ed Loranger wrote:

> Holiday tomorrow, so this is Friday's post :)

OK, so here's MY post! :-D And I'm very excited about it too.

The first thing yesterday morning, I got up, took a shower, brushed my teeth, looked myself in the mirror, and said, "This is going to be a GOOD day."

Went into my bedroom, broke out the TDS210 oscilloscope, the ScienceFair 160-in-1 kit (too lazy to use the breadboards or dead-bug), and decided to build a VFO/amplifier combination sorta like the one I want to design for my final circuit.

I initially wired up the single NPN transistor as an oscillator, and found it would not oscillate -- under ANY circumstances. It wouldn't even amplify. Whatever I saw on the base, I also saw on the emitter...NO voltage drop. Hmm...this wasn't a good way to start a good day...

I have concluded that the NPN transistor was shorted, and proceeded to resdesign my circuit for the PNP transistors there. This was a royal blast -- it took me three tries to get the circuit correct. I'm STILL not used to having a positive ground. :)

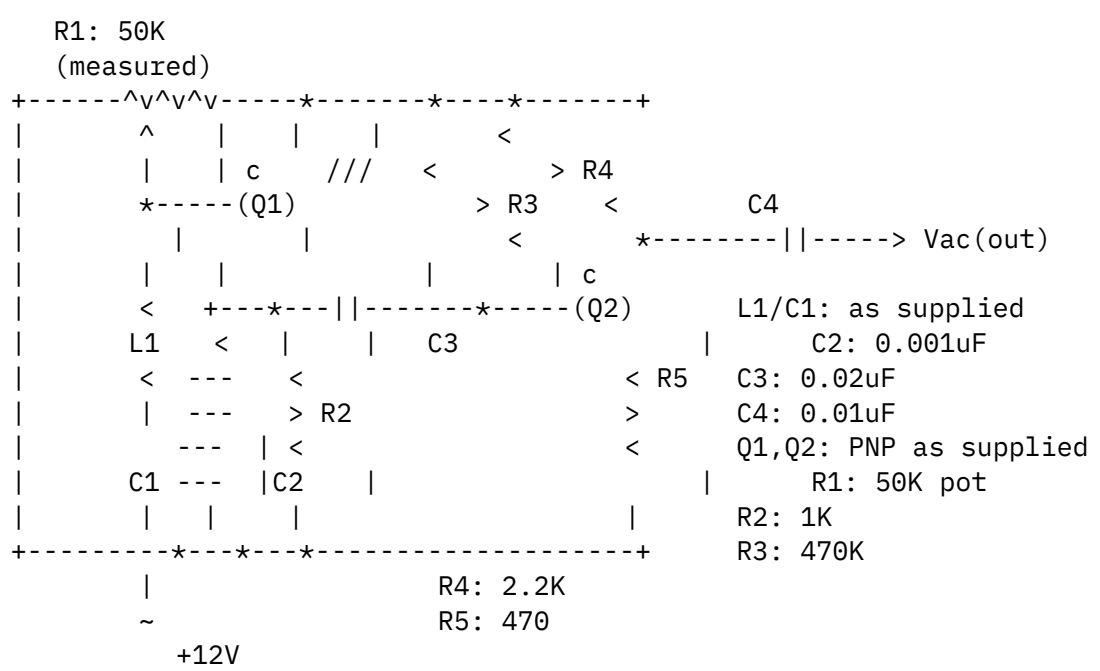
Anyway, I wired up the VFO, and got it oscillating. The oscillator produces, easily, the cleanest sine wave output I've ever seen among my prior designs. It's gorgeous! I can span from 1.75MHz to 3.22MHz with

the circuit, and it maintains a rock solid waveform all the way through. I was quite impressed!

I then proceeded to design the amplifier stage for it, since the oscillator's output was at most 2V peak to peak, and .5V peak to peak worst case. I decided to use the techniques presented to me by Ed Loranger, S. Lee, and a number of other people on this list. It not only exhibited the gain I wanted, it had MORE gain than I wanted! And it didn't distort the signal (except when the amplifier was overdriven by the oscillator)!!

I have the group at large to thank for this opportunity -- for the first time I can remember in a looong time, I think I have a good enough handle on what I'm doing to go ahead with my little project.

For reference, here's the circuit I ended up with:



When the circuit is operating, first turn the pot so that its wiper is fully positive. Then, adjust the pot for minimum distortion at the output of the amplifier, at the oscillator's lowest frequency. Note that the pot also seems to affect Q2's gain as well, possibly due to the amount of power the oscillator is putting out.

In my 160-in-1 kit, I found that the frequency coverage was from 1.75MHz to 3.22MHz, approximately.

While designing the amplifier for this circuit, I decided that I wanted

2.7mA of collector current, so as to drop approximately 6V across the collector resistor. This meant that I should have 1.28V across the emitter resistor. The ohmic value that gives me the answer was pretty close to 470 ohms, so that's what I chose.

Since the Hfe of the transistor is 100, I then proceeded to compute the voltage drop of the biasing resistor. After all was said and done, the resistance came out to be something like 365K. 470K was all I had on the choice of resistors, so I used that.

Computed gain should be 4.6 or so, which is actually 0.6 more than I had planned for. :) So I'll GLADLY accept the distortion in this case! :D

==
      KC5TJA/6 | -| TEAM DOLPHIN |-
        DM13 | Samuel A. Falvo II
    QRP-L #1447 | Chief Architect and Project Founder

Date: Thu, 09 Apr 1998 17:17:07 -0400
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: qrp-l@Lehigh.EDU
Subject: [7889] Alinco S11T at Tech America
Message-ID: <352D3AD2.8196D6B@gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tech America has the small Alinco xcvr listed for $88. Does anyone know if the receive section can be opened up? The predecessor "credit card" radio (DJ-C1T?) is being closed out for $99. The old radio has wide band receive. The Alinco web site does not claim anything other than 2M receive for the newer model.

Tnx.

Henry

Date: Thu, 09 Apr 1998 17:17:54 -0400
From: Hank Kohl K8DD <k8dd@contesting.com>
To: wb3aal@talon.net, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [7890] Re: QRP Contest
Message-ID: <3.0.1.32.19980409171754.0074293c@192.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I use NA 99% of the time for contests and 100% of the time for the QRP
contests.

Starting somewhere around Version 9 (Maybe it was version 8) QRP-ARCI
was put into the program and it scores very well as it is.

73   Hank   K8DD

At 04:50 PM 4/9/98 -0400, Ron Polityka wrote:
>Hello everyone,
>
> Does anyone use the contest program NA during the
>QRP contest. How should I set up the scoring part of
>the program.
>
>Thanks in advance for the help.
>
>73, Good DXing & QRPing
>Ron de WB3AAL
>
>E-mail: wb3aal@talon.net
>BBS: WB3AAL @ WB3FYL.#BER.PA.USA.NA
>
>EPA QRP # 1   QRP # 5318   10-10 # 13173
>QRP-L # 1099   G-QRP # 3031   AK QRP # 309
>Adventure Radio Society #380
>
>
>
>

*/   Hank Kohl K8DD   k8dd@contesting.com
*/   ARRL TS   (k8dd@tir.com)
*/   MI-QRP - Vice Pres. QRP-ARCI - Director
*/   G-QRP   ARRL/LM   QCWA/LM   QCAO/LM

Date: Thu, 9 Apr 1998 16:42:37 -0600 (MDT)
From: marion@montana.com
To: qrp-l@Lehigh.EDU

Subject: [7891] ORPp
Message-ID: <199804092242.QAA27057@paw.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

        Has everybody got the spring QRPp? Have not received mine . Don't
know if I should complain yet. Roy AB7CE

Date: Thu, 9 Apr 1998 14:50:37 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: marion@montana.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7892] Re: ORPp
Message-ID: <Pine.LNX.3.96.980409144942.9589A-100000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 9 Apr 1998 marion@montana.com wrote:

>   Has everybody got the spring QRPp? Have not received mine . Don't
> know if I should complain yet. Roy AB7CE

I have another two months before I'm legally obligated to complain. :) I
haven't received my copy either, but I'm sure it's sitting in a stack of
out-going 'zines.

==
      KC5TJA/6 | -| TEAM DOLPHIN |-
        DM13 | Samuel A. Falvo II
    QRP-L #1447 | Chief Architect and Project Founder

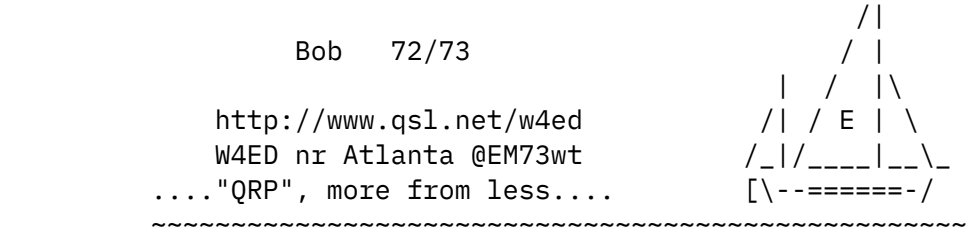
Date: Thu, 09 Apr 1998 18:05:16 -0400
From: "Bob Edwards, W4ED" <w4ed@flash.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7893] QRP-test S/W
Message-ID: <352D461C.A8456473@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Anybody know of a comparison, benchmark, or analysis
of Contest Software program/methods used in QRP events ??

I'm presenting an intro to QRP contesting at a hamfest
and need some help in this area.

If you are particularly found of your method & want
to mention why, I'm interested in that too.

Email me direct and I'll broadcast a summary, TKS QRPBW
--



Date: Thu, 9 Apr 1998 22:06:41 +0100
From: "Kim Andersen" <ox3fv@greennet.gl>
To: "=?ISO-8859-1?Q?QRP-L_=28INDL=C6G=29?=" <qrp-l@Lehigh.EDU>
Subject: [7894] QRP is fun
Message-ID: <7717AF5A332.AAA2E5C@mail.greennet.gl>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi

QRP is great fun. I have now been QRP for a week. I did not expect to work
so many countries (see braglist).

I am using INDEX QRP++, 5W, and GP cut for 40m and 20m, and fed with
ladderline.

When CONDX get bad I must confess that I use my TS-440 insted (BUT ONLY ON
5W)!!.

I hope to meet more of you guys on 50 ohm. It seems that the QRO folks have
no problems finding me!!.

Have even made a few pile-up's only using QRP. Thats fun!!.

I have worked these areas in the last week (BRAGLIST):

KL7
G
HB9
GW
DL
VE
EU
ZB2
OM
IK
LY
OK
SP
GM
UR
ON
RA
UX
EA
LZ
CX
SM
RZ
S5
HA
EI
OZ
PA
F
OY
VP2V
9A
W0-9

SU 50 ohm

73 de Kim/OX3FV

Date: Thu, 9 Apr 1998 15:21:41 -0700
From: "Gerald Mike Claussen (gmc)" <gmc@sequent.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>

Subject: [7895] Re: ORPp
Message-ID: <1DDAE93A2402D11188BD0000C02213F5048E0CFC@gobo.sequent.com>

I haven't seen my yet, but I know it is on the way...

72,
Mike KK7GG

>   Has everybody got the spring QRPp? Have not received mine . Don't
>know if I should complain yet. Roy AB7CE

Date: Thu, 09 Apr 1998 18:23:21 -0400
From: Michael Maiorana <mikemo@ibm.net>
To: henryf@quartz.gly.fsu.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7896] Re: Alinco S11T at Tech America
Message-ID: <352D4A59.3ACB@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Henry Freedenberg wrote:

> Tech America has the small Alinco xcvr listed for $88. Does anyone know
> if the receive section can be opened up? The predecessor "credit card"
> radio (DJ-C1T?) is being closed out for $99. The old radio has wide
> band receive.

You have it backwards. The DJS11T is the old rig, and the DJ-C1T (credit
card) rig is the new one. The S11T can be opened up to wide band receive
by removing a small resistor on the main board. I've done it to mine to
hear the weather (162.55Mhz). The C1T is smaller but requires a
earphone. It also has built in Lithium Ion rechargable battery. I like
the older one because it has a built in speaker and takes standard AA
batteries and will take AA rechargables if you want. The batteries last
forever because the output power is so low. BEWARE, unless you have a
clear shot to the repeater, you will probably not make it in very well.
--
72 de ku4qo
Mike Maiorana
Palm Harbor, FL

"There are flies and blue skies, and the just and the unjust

all walk side by side." KingsX

End of QRP-L Digest 1055
****
